WINDLINK® Data LiHCH LSOH Shielded

LiHCH 12x0.25

CONTACT

Market information
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Halogenfree, shielded data transmission cables LiHCH / LiHCH (TP)

STANDARDS

Product Nexans specification

Application
The cable WINDLINK® Data LSOH shielded was specifically designed for wind turbines. These cable is used for data transmission where high flexibility, torsion- and oil-resistance are required. It is therefore a suitable connection for electrical panels and sensors.

Product characteristics

- Suitable for torsion up to ± 150°/m (from -20°C up to 50°C)
- Vibration resistant
- Low smoke according to IEC 61034-2
- Flame retardant according to IEC 60332-1-2
- Oil resistant according to EN 60811-2-1 and special oils used in wind turbines
- Halogen free according to IEC 60754
- UV resistant according to IEC 60068-2-5
- Ozone resistant according to EN 60811-2-1 clause 8


Flame retardant
IEC 60332-1-2


Gases corrosivity
IEC 60754-1; IEC 60754-2; EN 50525-1 Anx C


Smoke density
IEC 61034-2


Oil resistance
IEC 60811-2-1


U.V resistance
IEC 60068-2-5


Max.conductor temp.in service
- °C


Operating temp.
-40 ... 90 °C


Ambient dynamic operating temperature, range
-30 ... 80 °C

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxeo is indicative only and shall not be binding on Lynxeo or be treated as constituting a representation on the part of Lynxeo.

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CHARACTERISTICS

Construction characteristics	
Construction type	12 x 0.25
Conductor material	Bare copper class 5
Insulation	Halogen free compound
Lay Up	Please request detailed data sheet
Insulation colour	DIN 47100
Screen	Tinned copper braid, coverage ≥ 65%
Outer sheath	Halogen free compound
Sheath colour	Black - RAL 9005
Dimensional characteristics	
Number of cores	12
Conductor cross-section	0.25 mm²
Conductor diameter (mm)	-
Insulation sheath thickness	- mm
Diameter over braid	- mm
Nominal outer sheath thickness	- mm
Minimum cable diameter	- mm
Maximum cable diameter	- mm
Nominal outer diameter	7.6 mm
Approximate weight	93 kg/km
Copper content	50 kg/km
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	- Ohm/km
Max. Electrical Resistance AC 60Hz 70°C	- Ohm/km
Max. Electrical Resistance AC 60Hz 90°C	- Ohm/km
Inductive reactance	- Ohm/km
Operating capacitances	- mF/km
Permissible short circuit current	- kA
Maximum operating voltage	-
Nominal Voltage	250 V
Test voltage	1500 V
Transfer impedance	25
Permissible current rating in open air	- A
Mechanical characteristics	
Mechanical stress	15 N/mm2
Torsion stress	150 °/m
Maximum tensile strength	- N/mm2
Usage characteristics	
Flame retardant	IEC 60332-1-2
Gases corrosivity	IEC 60754-1; IEC 60754-2; EN 50525-1 Anx C
Smoke density	IEC 61034-2
Oil resistance	IEC 60811-2-1
U.V resistance	IEC 60068-2-5

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Usage characteristics	
Ozone resistance	IEC 60811-100 & IEC 60811-403
Max. conductor temperature in service	- °C
Short-circuit max. conductor temperature	- °C
Ambient installation temperature	- °C
Operating temperature, range	-40 ... 90 °C
Ambient dynamic operating temperature, range	-30 ... 80 °C
Ambient static operating temperature, range	-40 ... 80 °C
Minimum bending radius, occasionally moving	6 (xD)
Minimum bending radius, fixed installation	4 (xD)

SELLING AND DELIVERY INFORMATION

Marking e.g.

NEXANS INTERCOND - Week/Year of production - WINDLINK LiHCH n x yy mm²

n: number of conductors
yy: section of conductor
Meter marking

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